BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

BBMP/2023-24/OW/WORK_INDENT2342

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

No:EE/YNK-D/E-PMT/12/2023-24 Dated: 13-02-2024

APPROVED TENDER SCHEDULE - B

Item-6

Name of Work:-Construction of concrete road and drains at JPN Colony

Sl	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Sri.CHANDAN N	
				Rate	Rate in words
1	Demolishing cement concrete manually/ by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer-in-charge. Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum. (Tipper 10 m3) Cost of Haulage Excluding Loading and Unloading Case-1 : Surfaced Road Taking output 10 t load and lead 10 km = 100 t.km	Cum	46.54	1800.00	One Thousand Eight Hundred Only
2	Removing and Refixing of Stone Slabs and Pointing in CM (1:3) Approved Rates	Sqm	533.40	111.50	One Hundred Eleven Paise Fifty Only
3	Earth work excavation by manual means for drains,canals, waste weir draft, approach channels, key trench, foundation of Bridges and such similar works, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, excavated surface leveled and sides neatly dressed disposing off or leveling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work. In ordinary/soft rock without blasting upto 1.5 m depth	Cum	632.25	280.00	Two Hundred Eighty Only
4	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specifications.	Cum	67.50	3030.00	Three Thousand Thirty Only
5	Providing and laying in position plain cement concrete Mix 1:3:6 Using 40 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.	Cum	95.06	5950.00	Five Thousand Nine Hundred Fifty Only
6	Providing and laying in position Cement Concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	242.39	7500.00	Seven Thousand Five Hundred Only

Executive Engineer
Yelahanka Division
Yelahanka Zone
Bruhat Bangalore Mahanagara Palike
BANGALORE

Scanned with ACE Scanner

	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Sri.CHANDAN N	
				Rate	Rate in words
7	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification. All other type of structures	Tonne	14.79	95000.00	NinetyFive Thousand Only
8	Providing and Fixing Precast Cement Concrete Drain Covering Slab of 150mm thickness of concrete grade M20 and fixing with Cement Mortor 1:4 including cost of labour, lead, lift, loading & unloading, curing etc., as per the directions of engineer in-chrage.	Sqm	274.20	2630.00	Two Thousand Six Hundred Thirty Only
9	Providing and Fixing Precast Cement Concrete Drain Covering Slab of 100mm thickness of concrete grade M20 and fixing with Cement Mortor 1:4 including cost of labour, lead, lift, loading & unloading, curing etc., as per the directions of engineer in-chrage.	Sqm	464.28	2127.00	Two Thousand One Hundred TwentySeven Only
10	Providing and Fixing Precast Cement Concrete Culvert Covering Slab of 230mm thickness of concrete grade M20 and fixing with Cement Mortor 1:4 including cost of labour, lead, lift, loading & unloading, curing etc., as per the directions of engineer in-chrage.	Sqm	26.40	5170.00	Five Thousand One Hundred Seventy Only
11	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m, and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum	632.25	180.00	One Hundred Eighty Only
12	Filling approved earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	150.00	465.00	Four Hundred SixtyFive Only
13	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. as directed by the Engineer in Charge of the work	Nos	889.00	520.00	Five Hundred Twenty Only
14	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces	Sqm	140.00	130.00	One Hundred Thirty Only
15	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately (KPWD SR 2023-24, Volume-III, Item No.2.19, Page No.12) Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum. (Tipper 10 m3) (KPWD SR 2023-24, Volume-III, Item No.1.1 b, Page No.5) Cost of Haulage Excluding Loading and Unloading Case-1 : Surfaced Road Taking output 10 t load and lead 10 km = 100 t.km	Cum	66.06	750.00	Seven Hundred Fifty Only
16	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead (KPWD SR 2023-24, Volume-III, Item No.3.5, Page No.17) Cost of Haulage Excluding Loading and Unloading Case-1 : Surfaced Road Taking output 10 t load and lead 10 km = 100 t.km	Sqm	964.80	20.35	Twenty Paise ThirtyFive Only
17	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.	Cum	96.48	3000.00	Three Thousand Only

Executive Engin
Yelahanka Divisi
Yelahanka Zone
Bruhat Bangalore Mah

Scanned with ACE Scanner

	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Sri.CHANDAN N	
				Rate	Rate in words
18	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70 kg/m2 using mechanical means.	Sqm	964.80	50.00	Fifty Only
19	Providing and laying Bituminous Macadam with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading premixed with bituminous binder VG-30 @ 3.4% by weight of mix, transported to site, laid over a previously prepared surface with mechanical paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction	Cum	48.24	8650.00	Eight Thousand Six Hundred Fifty Only
20	Providing and applying tack coat with VG-10 Bitumen using pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom	Sqm	964.80	15.00	Fifteen Only
21	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specifiedgrading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects	Cum	28.94	12370.00	Twelve Thousand Three Hundred Seventy Only
22	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes.	Sqm	53.60	600.00	Six Hundred Only
23	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 14:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 140 kg/ m3 , optimum moisture content to be determined during trial length construction, concrete strength not to be less than 7 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller, finishing and curing.	Cum	35.27	6100.00	Six Thousand One Hundred Only
24	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383:2016:, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, primer, sealant, curing of concrete slabs for 14-days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work.	Cum	52.90	8150.00	Eight Thousand One Hundred Fifty Only

Signature of the Contractor

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.

Executive Engineer
Yelahanka Division
Yelahanka Zone
Bruhat Bangalore Mahanag.
BANGALORE - 560

Scanned with ACE Scanner